Amendments to Claims

Claims 1-5 (Canceled)

Claim 6 (Original). An isolated nucleic acid molecule as set forth in SEQ ID NO:18, comprising the *crtE, crtX, crtY, crtI, crtB* and *crtZ*, genes or an isolated nucleic acid molecule having at least 95% identity to SEQ ID NO:18, wherein the isolated nucleic acid molecule encodes all of the polypeptides crtE, crtX, crtY, crtI, crtB and crtZ.

Claims 7 – 12 (Canceled)

Claim 13 (Currently Amended). A chimeric gene comprising the isolated nucleic acid molecule of ~~any one of~~ Claims ~~1 or~~ 6-~~11~~ operably linked to suitable regulatory sequences.

Claim 14 (Original). A vector comprising the isolated nucleic acid molecule of Claim 6.

Claim 15 (Original). A transformed host cell comprising the chimeric gene of Claim 13.

Claim 16 (Original). A transformed host comprising the isolated nucleic acid molecule of claim 6.

Claim 17 (Original). The transformed host cell of Claim 15 or 16 wherein the host cell is selected from the group consisting of bacteria, yeast, filamentous fungi, algae, and green plants.

Claim 18 (Original) The transformed host cell of Claim 17 wherein the host cell is selected from the group consisting of *Aspergillus, Trichoderma, Saccharomyces, Pichia, Candida, Hansenula, Yarrowia, Rhodosporidium, Lipomyces, Salmonella, Bacillus, Acinetobacter, Zymomonas, Agrobacterium, Flavobacterium, Rhodobacter, Rhodococcus, Streptomyces, Brevibacterium, Corynebacteria, Mycobacterium, Escherichia, Pantoea, Pseudomonas, Methylomonas, Methylobacter, Methylococcus, Methylosinus, Methylomicrobium, Methylocystis, Alcaligenes, Synechocystis, Synechococcus, Anabaena, Thiobacillus, Methanobacterium, Klebsiella, Methylophilus, Methylobacillus, Methylobacterium, Hyphomicrobium, Xanthobacter, Paracoccus, Nocardia, Arthrobacter, Rhodopseudomonas, Torulopsis, Phaffia,* and *Rhodotorula.*

Claims 19-32 (Canceled)